Firm's Problem

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Firms, maximize profits by drowing # of producers n, taking as given market tightnesses & , & and prices p, w Equivalent . - 1 in m shows # em ployees C [b/c e= [1+ -7(0)] m] _ linn chaos # vacconcies F T 6/2 F = 4/9(0)] Profits: Revenue - Col - Levenue from sale of services - Wage loill pried solling capacity nominal employees

pried pried vage Jundian of n. Hedrology makeling medge concave in m plandard con cave maximization problem

max p.a. J(x) n^{d} _ $w \in [+ \tilde{\epsilon}(0)]$ nderivative.

P.a. flad 2 md-1 w [1+2(0)] to other

Foi;

Ly sufficient MR from I produce : MC of product:

(and him for global MR x price x orlling making making making producer $n^{d-1} = \frac{\left[1+\frac{2}{2}(0)\right]}{add} \frac{w}{p}$ $n = \left[\begin{array}{c} a & d & f(n) \\ \hline (1+\hat{\tau}(0)) & (\omega/1) \end{array}\right]^{\frac{1}{1-\alpha}}$ holit-maximizing # employees: l= [1+ E(a)] n e=[ad](1)]/1-d
[1+216])-d/1-d $(=) \quad \ell = \left[\begin{array}{c} a \quad d \cdot f(x) \\ \hline w/ p \end{array}\right] / \left[\begin{array}{c} 1 \\ 1+7(0) \end{array}\right] / \left[-d\right]$